Koppler Doit II Form 4 February 17, 2012

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

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obligations

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Koppler Doit II

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

TRANSGENOMIC INC [TBIO.OB]

(Check all applicable)

(Last)

(First)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 02/15/2012

Officer (give title below)

X_ Director

10% Owner Other (specify

C/O THIRD SECURITY, LLC, 1881

(Street)

GROVE AVENUE

4. If Amendment, Date Original

(Instr. 8)

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

RADFORD, VA 24141

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

(Instr. 3, 4 and 5)

Code V Amount (D) Price

5. Amount of Securities Beneficially Owned

Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership

Reported (A) Transaction(s) or

(Instr. 4)

(Instr. 3 and 4)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

(Instr. 4)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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| (Instr. 3) | Price of Derivative Security | | (Month/Day/Year) | (Instr. | 8) | Acquired or Dispose (D) (Instr. 3, 4 and 5) | ed of | | | | |
|--|------------------------------------|------------|------------------|---------|----|---|-------|---------------------|--------------------|---------------------|-------------------------------------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Option to Purchase Common Stock | \$ 1.45 | 02/15/2012 | | A | | 25,000 | | 02/15/2013 | 02/14/2022 | Common Stock (1) | 25,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|---------|-------|--|--|--|
| 1 | Director | 10% Owner | Officer | Other | | | |
| Koppler Doit II C/O THIRD SECURITY, LLC 1881 GROVE AVENUE RADFORD, VA 24141 | X | | | | | | |

Signatures

/s/ Doit L.

Koppler II 02/17/2012

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Common Stock, par value \$0.01 per share of Transgenomic, Inc.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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